

Converting Colors

$Y_{xy}(37.3732, 0.1794, 0.2968)$

Have a look what the booklet for
Yxy(37.3732, 0.1794, 0.2968)
contains.

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Color

Yxy(40.9493, 0.2166, 0.2999)

Conversions

Conversions Part 1

Format	Color
Hex	00BDD0
RGB	0, 189, 208
RGB Percent	0%, 74%, 82%
CMY	1.0000, 0.2588, 0.1843
CMYK	1.00, 0.09, 0.00, 0.18
HSL	185°, 100%, 41%
HSV	185°, 100%, 82%
XYZ	29.5753, 40.9493, 66.0186
YIQ	134.6550, -118.7430, -34.1590

Conversions

Conversions Part 2

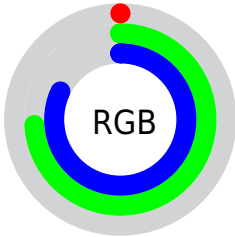
Format	Color
RYB	0, 99, 208
Decimal	48592
CIELab	70.14, -32.48, -20.76
CIELCh	70, 38.545, 212.587
Yxy	40.9493, 0.2166, 0.2999
Android (android.graphics.Color)	4278238672 (0xFF00BDD0)
YUV	134.6550, 36.1591, -118.0924
Hunter-Lab	63.9916, -29.4874, -16.3739

Details

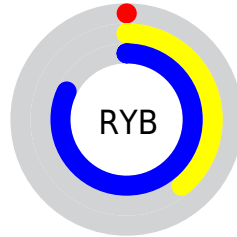
The Yxy color **40.9493, 0.2166, 0.2999** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **13.8751, 0.6337, 0.3350**, and the grayscale version is **23.9941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1348, 0.2375, 0.3182**, and **19.6610, 0.2139, 0.2902** is the 20% darker color. If you saturate the color by 10%, you get **40.9556, 0.2166, 0.2999**, and if you desaturate by 10%, it is **41.9351, 0.2189, 0.3030**.

Distribution



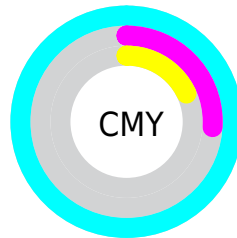
- Red (0%)
- Green (74%)
- Blue (82%)



- Red (0%)
- Yellow (39%)
- Blue (82%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (18%)




- Cyan (100%)
- Magenta (26%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9493, 0.2166, 0.2999 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 40.9493, 0.2166, 0.2999 by changing the saturation by 10% instead.

 40.9493, 0.2166,
0.2999


 40.9493, 0.2166,
0.2999


350.1087, 0.2637,
0.3163

 28.2795, 0.2053,
0.2953


 76.6069, 0.2334,
0.3063


 18.5364, 0.1911,
0.2891


 100.3635, 0.2398,
0.3085

 11.3358, 0.1729,
0.2803

 128.5845, 0.2453,
0.3104

 6.2932, 0.1489,
0.2674

 161.6542, 0.2500,
0.3120

 3.0242, 0.1163,
0.2468

 199.9571, 0.2541,
0.3133

 1.1444, 0.0517,
0.2159

243.8775, 0.2577,

 0.0155, 0.0000,

0.3145

0.0099

293.7999, 0.2609,
0.3155

■ 0.0000, 0.0000,
0.0000

■ 40.9493, 0.2166,
0.2999

■ 40.9493, 0.2166,
0.2999

■ 40.9556, 0.2166,
0.2999

■ 41.9351, 0.2189,
0.3030

■ 43.0946, 0.2227,
0.3061

■ 44.4916, 0.2283,
0.3092

■ 46.1571, 0.2359,
0.3124

■ 48.1175, 0.2453,
0.3155

■ 50.3956, 0.2564,
0.3185

■ 53.0123, 0.2689,
0.3214

■ 55.9864, 0.2827,
0.3241

■ 59.3353, 0.2974,
0.3267

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.9493, 0.2434, 0.3556



40.9493, 0.2166, 0.2999



40.9493, 0.2132, 0.2598

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.9493, 0.2166, 0.2999



40.9493, 0.3288, 0.2655



40.9493, 0.3938, 0.4202

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40.9493, 0.2166, 0.2999



13.8751, 0.6337, 0.3350

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



40.9493, 0.4222, 0.3861



40.9493, 0.2166, 0.2999



40.9493, 0.3839, 0.3004

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.9493, 0.2166, 0.2999



40.9493, 0.2736, 0.2445



40.9493, 0.4193, 0.3430



40.9493, 0.3449, 0.4312

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.9493, 0.2166, 0.2999



40.9493, 0.2239, 0.2453



40.9493, 0.4193, 0.3430



40.9493, 0.4062, 0.4107

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



40.9556, 0.2166, 0.2999



83.8899, 0.2685, 0.3213



45.1530, 0.2986, 0.5951



17.5644, 0.2630, 0.3201



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.9556, 0.2166, 0.2999



64.7787, 0.2166, 0.2996



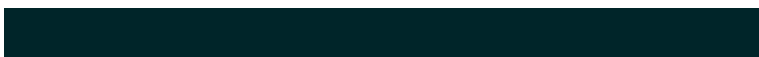
11.3165, 0.1694, 0.1298



13.2148, 0.2983, 0.3268



25.6008, 0.2168, 0.3003



1.4866, 0.2183, 0.3060

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



17.0846, 0.3455, 0.1677



27.0706, 0.3458, 0.1679



27.1657, 0.5174, 0.4274



11.9897, 0.3152, 0.3081



10.6557, 0.3451, 0.1675



0.6014, 0.3402, 0.1648

Previews

White Background



This preview shows how the Yxy color 40.9493, 0.2166, 0.2999 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 40.9493, 0.2166, 0.2999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

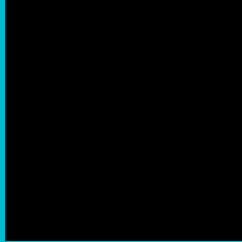
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

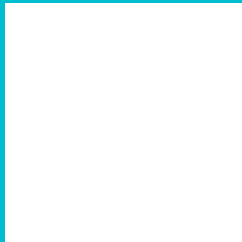
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.9493, 0.2166, 0.2999

Background



This preview shows how black text looks on a background with the Yxy color 40.9493, 0.2166, 0.2999.



This preview shows how white text looks on a background with the Yxy color 40.9493, 0.2166, 0.2999.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

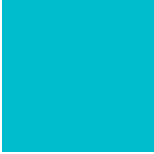
40.9493, 0.2166, 0.2999

Protanopia

40.4231, 0.2891, 0.2939

Deuteranopia

40.4409, 0.2750, 0.2690



Tritanopia

40.8030, 0.2179, 0.3042

Trichromacy



Original Color

40.9493, 0.2166, 0.2999



Protanomaly

38.2850, 0.2443, 0.2933



Deuteranomaly

38.3664, 0.2375, 0.2769



Tritanomaly

40.8514, 0.2174, 0.3028

Monochromacy



Original Color

40.9493, 0.2166, 0.2999



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

28.0298, 0.2494, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9493, 0.2166, 0.2999 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 189, 208)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 208)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 189, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 208) }
```

Border

The CSS property to change the border of an element to Yxy 40.9493, 0.2166, 0.2999 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 189, 208) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 189, 208) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 189, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 208);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9493, 0.2166, 0.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 208) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 189,  
208) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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